

## Message Text

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PAGE 01 STATE 228440  
ORIGIN NASA-02

INFO OCT-01 EUR-12 ISO-00 OES-09 COME-00 PM-05 DODE-00  
L-03 CIAE-00 INR-10 NSAE-00 /042 R

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APPROVED BY OES/APT/SA:RBEDDINGTON  
NASA/ERB-2/BTNOLAN  
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EUR/NE:MR. GREY  
EUR/CAN/WLLOYD

-----052788 090522Z /10

P 082210Z SEP 78  
FM SECSTATE WASHDC  
TO AMEMBASSY REYKJAVIK PRIORITY  
INFO KEFLAVIK AB ICELAND PRIORITY

UNCLAS STATE 228440

E.O. 11652:N/A

TAGS: TPSA

SUBJECT: AIRCRAFT CLEARANCE REQUEST FOR SAM-II PROJECT

1. THE STRATOSPHERIC AEROSOL MEASUREMENT PROGRAM (SAM-II) IS SERIES OF EXPERIMENTS DESIGNED TO MEASURE AEROSOL PARTICLES IN ATMOSPHERE, PROVIDING USEFUL INFORMATION IN AREA OF CLIMATE PREDICTION AND RESEARCH. PROGRAM WAS SUBMITTED TO DANISH COMMISSION MAY 18-19 (PROJECT #21).

2. IN CONNECTION WITH SAM-II MISSION, NASA P-3 AIRCRAFT WILL CONDUCT BACKSCATTER MEASUREMENTS OF AEROSOL PARTICLES, TO BE COMPARED AND ANALYZED WITH AEROSOL MEASUREMENTS TAKEN BY NCAR SABRELINER AIRCRAFT AND BALLOON EQUIPMENT. NCAR WILL REQUEST CLEARANCE FOR SABRELINER.  
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PAGE 02 STATE 228440

3. FOR SCIENTIFIC STUDIES, WALLOPS FLIGHT CENTER P-3 AIRCRAFT WILL BE FLOWN FROM SONDRESTROM AB GREENLAND TO AREA ROUGHLY 67 DEGREES N LATITUDE, 35 - 65 DEGREES W LONGITUDE WHERE OBSERVATIONS WILL BE TAKEN VIEWING UP-

WARD. OBSERVATIONS WILL BE TAKEN ABOVE CLOUD LEVEL AT

15 - 25,000 FEET ALTITUDE IN RECTANGULAR AREA 300 KM  
BY 50 KM.

4. SPECIAL EQUIPMENT ON BOARD INCLUDES AIRBORNE LIDAR  
(FLIGHT DETECTION AND RANGING) SYSTEM. LIDAR WILL BEAM  
LASER RAY UPWARD. AS BEAM HITS AEROSOL PARTICLES,  
BACKSCATTER MEASUREMENT OF AEROSOL PARTICLES WILL BE  
MADE. FYI: LIDAR SYSTEM INCLUDES UPWARD-SENSING EQUIP-  
MENT ONLY. THIS QUOTE GROUND TRUTH UNQUOTE MEASUREMENT  
WILL VERIFY SIMILAR AEROSOL PARAMETERS MADE BY NIMBUS-G  
SATELLITE. END FYI.

5. P-3 AIRCRAFT IS U.S. PUBLIC LAW AIRCRAFT , NASA-OWNED  
AND OPERATED, REGISTRATION NUMBER N428NA, CALL SIGN  
NASA 428. CREW CONSISTS OF 13 PERSONS, ALL U.S. CITIZENS  
WITH APPROPRIATE PASSPORTS/VISAS.

6. HANGAR SPACE AND GROUND UNITS REQUIRED FOR HEAT  
SENSITIVE EQUIPMENT ABOARD AIRCRAFT PLUS JET FUEL.

7. ITINERARY: (ALL TIMES ZULU, NOVEMBER-DECEMBER, 1978)

ETA	PLACE	LTD
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ORIGINATE	WALLOPS ISLAND, VA	O/A NOV. 18/1300
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PAGE 03 STATE 228440

18/1630	GOOSE AB, LABRADOR	18/1800
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18/2130	SONDRESTROM AB, GNLD	O/A DEC. 3/1200
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3/1530	GOOSE AB, LABRADOR	3/1700
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3/2030	WALLOPS ISLAND, VA	TERMINATE
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8. PLANNED ALTERNATE AIRFIELDS INCLUDE ST. JOHN'S NFLD,  
STEPHENVILLE, NFLD, GANDER, NFLD, FROBISHER, NWT,  
THULE AB, GNLD AND KEFLAVIK AB, ICELAND.

9. PILOT WILL FILE INTERNATIONAL FLIGHT PLANS.

10. ROUTINGS TO AND FROM SONDRESTROM WILL BE VIA AIRWAYS.  
NO EXPERIMENTS WILL BE CONDUCTED ENROUTE.

11. PLEASE OBTAIN CONTINGENCY LANDING/STAGING CLEARANCES  
FOR PERIOD NOV. 18 - DEC. 3, PLUS OR MINUS ONE WEEK.

12. ORIGINAL REQUEST FOR OVERFLIGHT AND STAGING SENT SEP-  
TEL TO OTTAWA, COPENHAGEN AND SONDRESTROM. KEFLAVTK WILL

ONLY BE USED AS WEATHER OR MECHANICAL ALTERNATE. CHRISTOPHER

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## Message Attributes

**Automatic Decaptioning:** X  
**Capture Date:** 01 jan 1994  
**Channel Indicators:** n/a  
**Current Classification:** UNCLASSIFIED  
**Concepts:** AIRCRAFT, FLIGHT CLEARANCES  
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**Copy:** SINGLE  
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**Decaption Date:** 01 jan 1960  
**Decaption Note:**  
**Disposition Action:** n/a  
**Disposition Approved on Date:**  
**Disposition Case Number:** n/a  
**Disposition Comment:**  
**Disposition Date:** 01 jan 1960  
**Disposition Event:**  
**Disposition History:** n/a  
**Disposition Reason:**  
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**Enclosure:** n/a  
**Executive Order:** N/A  
**Errors:** N/A  
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**Office:** ORIGIN NASA  
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**Original Previous Classification:** n/a  
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**Review Event:**  
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**Review Release Event:** n/a  
**Review Transfer Date:**  
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**SAS ID:** 1498094  
**Secure:** OPEN  
**Status:** NATIVE  
**Subject:** AIRCRAFT CLEARANCE REQUEST FOR SAM-II PROJECT  
**TAGS:** TSPA  
**To:** REYKJAVIK  
**Type:** TE  
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**Review Markings:**  
Sheryl P. Walter  
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